

Fusion Plasma Physics

Thermonuclear fusion is one of the best alternatives for the realisation of a clean, safe and sustainable energy source. A few master thesis projects are available in fusion- and plasma theory and simulation.

Examples:

- Study of plasma instabilities and comparisons with observations in fusion devices (JET).
- Simulation of non-linear phenomena like plasma turbulence and its effects on fusion performance.

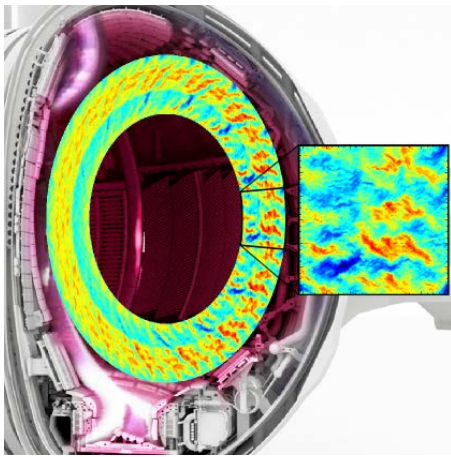


Figure: Micro-turbulent structures from a plasma simulation of the Joint European Torus (JET), performed at Chalmers. The EU project JET in Abingdon UK is the leading fusion experiment in the world.

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